



# Federal Emergency Management Agency

Washington, D.C. 20472

OCT 08 2004

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable Henry Neth  
Chairman, Nye County  
Board of Commissioners  
P.O. Box 153  
Tonopah, NV 89049

IN REPLY REFER TO:

Case No.: 04-09-0133P  
Community Name: Nye County, NV  
Community No.: 320018  
Effective Date of **NOV 08 2004**  
This Revision:

STATE ENGINEERS OFFICE  
OCT 19 2004

Dear Mr. Neth:

The Flood Insurance Study report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Federal Insurance and Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Oakland, California, at (510) 627-7103, or the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Sincerely,

Max H. Yuan, P.E., Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate

For: Doug Bellomo, P.E., CFM, Chief  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate

List of Enclosures:

Letter of Map Revision Determination Document  
Annotated Flood Insurance Rate Map  
Annotated Flood Insurance Study Report

cc: Mr. Samson Yao, P.E.  
Director  
Nye County Public Works

Mr. Randy McConnell, P.E.  
Assistant Project Manager  
VPoint



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Nye County Nevada (Unincorporated Areas)	CULVERT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS ALLUVIAL FAN ANALYSIS NATURAL CHANGES NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 320018		
IDENTIFIER	Mountain Falls	APPROXIMATE LATITUDE & LONGITUDE: +36.192°, -115.917° SOURCE: FIRM panel                      DATUM: NAD 83	

### FLOODING SOURCE(S) & REVISED REACH(ES)

Wheeler Wash – from approximately 16,900 feet downstream to approximately 17,500 feet upstream of State Route 160 (SR160)

### SUMMARY OF REVISIONS

Effective Flooding:	Zone AO	Zone AO	Zone X (unshaded)	Zone AO	Zone X (unshaded)	Depths	Velocities
Revised Flooding:	Zone X (unshaded)	Zone A	Zone A	Zone X (shaded)	Zone X (shaded)	Depths	Velocities
Increases:	NONE	YES	YES	NONE	YES	NONE	YES
Decreases:	YES	YES	NONE	YES	NONE	YES	YES

\* BFEs – Base Flood Elevations

ANNOTATED MAPPING ENCLOSURES			ANNOTATED STUDY ENCLOSURES
TYPE: FIRM*	NO.: 320018 4420 C	Date: September 28, 1990	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: June 8, 1998 SUMMARY OF DISCHARGES TABLE: 1
TYPE: FIRM	NO.: 320018 4435 C	Date: September 28, 1990	

\* FIRM – Flood Insurance Rate Map; \*\* FBFM – Flood Boundary and Floodway Map; \*\*\* FHBM – Flood Hazard Boundary Map

### DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2677 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

*ML 10 Lpm*

Max H. Yuan, P.E., Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness and Response Directorate

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**Federal Emergency Management Agency**

Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)****COMMUNITY INFORMATION****APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION**

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the culverts rests with your community. We may request that your community submit a description and schedule of culvert activities.

**COMMUNITY REMINDERS**

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2677 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

*ML 10 Lpm*

Max H. Yuan, P.E., Project Engineer  
Hazard Identification Section  
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Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)****COMMUNITY INFORMATION (CONTINUED)**

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Sally M. Ziolkowski  
Director, Federal Insurance and Mitigation Division  
Federal Emergency Management Agency, Region IX  
1111 Broadway Street, Suite 1200  
Oakland, CA 94607-4052  
(510) 627-7103

**STATUS OF THE COMMUNITY NFIP MAPS**

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panels and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This study was performed in accordance with the guidelines set forth in FEMA's publication entitled *Guidelines for Determining Flood Hazards on Alluvial Fans*, dated February 23, 2000. These guidelines were subsequently incorporated into the FEMA publication entitled *Guidelines and Specifications for Flood Hazard Mapping Partners*, revised April 2003, which superseded the previous document.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2677 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Max H. Yuan, P.E., Project Engineer  
Hazard Identification Section  
Mitigation Division

Emergency Preparedness and Response Directorate 102426 DA04090133P 102IC

OCT 08 2004

NOV 08 2004



## Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### PUBLIC NOTIFICATION OF REVISION

This revision will become effective 30 days from the date of this letter. Any requests to review or alter this determination should be made within 30 days and must be based on scientific or technical data. Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. However, until the 90-day period has elapsed, the revised BFEs presented in this LOMR may be changed.

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below.

## LOCAL NEWSPAPER

Name: *Tonopah Times-Bonanza & Goldfield News*

Dates: 11/04/2004      11/11/2004

### PUBLIC NOTIFICATION

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET)*		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Wheeler Wash	Approximately 11,100 feet upstream of SR160	2	1	4420 C
	Approximately 12,000 feet upstream of SR160	2	1	4420 C

\*Depth in feet above ground

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2677 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

*MH Yuan*

Max H. Yuan, P.E., Project Engineer

Hazard Identification Section

Mitigation Division

Emergency Preparedness and Response Directorate

102426 DA04090133P 102IC

CHANGES ARE MADE IN DETERMINATIONS OF BASE FLOOD ELEVATIONS FOR THE UNINCORPORATED AREAS OF NYE COUNTY, NEVADA, UNDER THE NATIONAL FLOOD INSURANCE PROGRAM

On September 28, 1990, the Department of Homeland Security's Federal Emergency Management Agency identified Special Flood Hazard Areas (SFHAs) in the unincorporated areas of Nye County, Nevada, through issuance of a Flood Insurance Rate Map (FIRM). The Mitigation Division has determined that modification of the elevations of the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood) for certain locations in this community is appropriate. The modified Base Flood Elevations (BFEs) revise the FIRM for the community.

The changes are being made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and are in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65.

New detailed hydrologic, hydraulic, and alluvial fan analyses were performed to incorporate updated topographic information for Wheeler Wash and existing culverts under State Route 160. This has resulted in some increases and decreases in SFHA width and decreased BFEs for Wheeler Wash. The table below indicates existing and modified BFEs for selected locations along the affected lengths of the flooding source(s) cited above.

Location	Existing BFE (feet)*	Modified BFE (feet)*
Approximately 11,100 feet upstream of State Route 160	2	1
Approximately 12,000 feet upstream of State Route 160	2	1

\*Depth above ground, rounded to nearest whole foot

Under the above-mentioned Acts of 1968 and 1973, the Mitigation Division must develop criteria for floodplain management. To participate in the National Flood Insurance Program (NFIP), the community must use the modified BFEs to administer the floodplain management measures of the NFIP. These modified BFEs will also be used to calculate the appropriate flood insurance premium rates for new buildings and their contents and for the second layer of insurance on existing buildings and contents.

Upon the second publication of notice of these changes in this newspaper, any person has 90 days in which he or she can request, through the Chief Executive Officer of the community, that the Mitigation Division reconsider the determination. Any request for reconsideration must be based on knowledge of changed conditions or new scientific or technical data. All interested parties are on notice that until the 90-day period elapses, the Mitigation Division's determination to modify the BFEs may itself be changed.

Any person having knowledge or wishing to comment on these changes should immediately notify:

The Honorable Henry Neth  
Chairman, Nye County Board  
of Commissioners  
P.O. Box 153  
Tonopah, NV 89049

Table 1. Summary of Discharges

<u>Flooding Source and Location</u>	<u>Drainage Area (Square Miles)</u>	<u>Peak Discharges (Cubic Feet per Second)</u>			
		<u>10-Year</u>	<u>50-Year</u>	<u>100-Year</u>	<u>500-Year</u>
Amargosa River At Beatty	459.0	7,490	15,000	18,400	27,000
Wheeler Wash At Fan Apex	79.08	10,206	19,032	22,660	30,752
Slime Wash					
Approximately 1,500 feet downstream of the Nye-Esmeralda County line	3.29	-- <sup>1</sup>	-- <sup>1</sup>	2,300	-- <sup>1</sup>
Approximately 1,100 feet downstream of the Nye-Esmeralda County line	2.15	-- <sup>1</sup>	-- <sup>1</sup>	1,530	-- <sup>1</sup>
Approximately 2,000 feet downstream of the Nye-Esmeralda County line	1.84	-- <sup>1</sup>	-- <sup>1</sup>	1,360	-- <sup>1</sup>
Approximately at Florence Avenue	1.45	-- <sup>1</sup>	-- <sup>1</sup>	1,130	-- <sup>1</sup>
Approximately at Magnolia Avenue	0.87	-- <sup>1</sup>	-- <sup>1</sup>	700	-- <sup>1</sup>
Peak Springs Fan					
At Fan Apex	11.84	-- <sup>1</sup>	-- <sup>1</sup>	4,157	-- <sup>1</sup>
At State Route 160	39.66	-- <sup>1</sup>	-- <sup>1</sup>	8,448	-- <sup>1</sup>

<sup>1</sup>Data not computed

REVISED BY LOMR CASE  
NUMBER 03-09-1502P

REVISED TO  
REFLECT LOMR  
DATED NOV 08 2004

REVISED AREA

Table 1. Summary of Discharges

Flooding Source and Location	Drainage Area (Square Miles)	Peak Discharges (Cubic Feet per Second)			
		10-Year	50-Year	100-Year	500-Year
Amargosa River At Beatty	459.0	7,490	15,000	18,400	27,000
Wheeler Wash At Fan Apex	79.08	10,206	19,032	22,660	30,752
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<sup>1</sup>Data not computed

REVISED AREA

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